Product code: 416988

DOMALKYD 4284 70 X

Alkyd Resin Modified with Synthetic Acids

Specification:

Property	Range	Method / According to standard
Non-volatile matter	69 - 71%	MH1155 / ISO 3251
Acid value on solid resin	max. 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	70 - 100 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	4000 - 6000 mPa·s	MH1007 / ISO 3219
Colour	max. 3 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Density	1.1 kg/L
Flash point	27 °C
Hydroxyl content on solid	2.4%
Water content	max. 0.2 wt.%

Solubility:

Soluble in Solvesso 100, xylene, acetone, ethyl acetate, n-Butyl acetate, methoxy propyl acetate and methyl isobutyl ketone.

Compatibility:

- Compatible with isocyanate resins (HDI-biuret, HDI-isocyanurate, Desmodur L 75), Vinyl VAGH, ester soluble Nitrocellulose, Domopol 6067.
- Limited compatibility with CAB 551-02 and Domacryl hydroxy resins.

Applications:

- Domalkyd 4284 70 X is medium reactive alkyd resin intended for crosslinking with melamine formaldehyde resins or isocyanate resins.
- Used for forced drying two-pack systems for metal with excellent mechanical properties and superior outdoor durability.
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.
- The best results are achieved in the region of the theoretical mixing ratio with isocyanate. Over and under- crosslinking is possible within certain limits.
- To accelerate the reaction, organic catalysts can be used: diethylethanolamine, dibutyl tin dilaurate or zinc octoate.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.